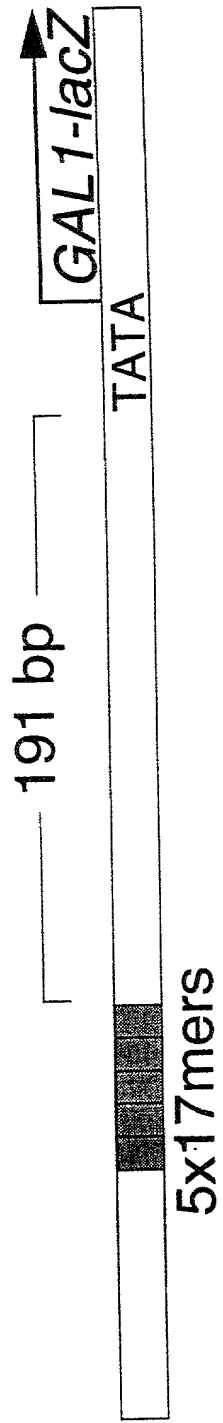


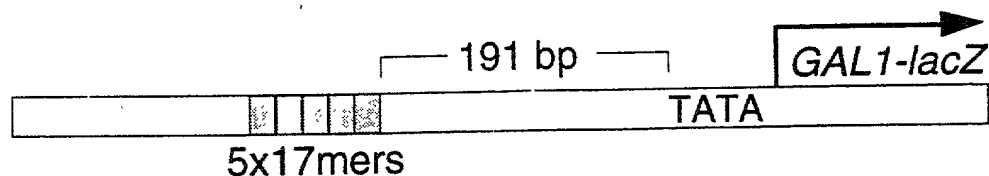
Transcriptional Activation Depends on Peptide Sequence



Construct	β -gal activity
GAL4(1-881)	2300
GAL4(1-100)	2
GAL4(1-100)+ YLLPTCIP	4400
+ LICYP LPT	100
+ IPLYLTC P	17

Figure 1

Residues of the GAL4 DNA Binding Domain Contribute to Peptide Activation



Construct	β -gal. activity
GAL4(1-881)	2800
GAL4(1- ⁹¹ ALLTGLFVQD ¹⁰⁰)	2
GAL4(1-ALLTGLFVQD ¹⁰⁰ + ^{8mer} YLLPTCIP)	4400
ALLTGLFVQ□ + YLLPTCIP	120
ALLTGLFV□D + YLLPTCIP	450
ALLTGLF□QD + YLLPTCIP	3
ALLTGL□VQD + YLLPTCIP	2
ALLTG□FVQD + YLLPTCIP	3
ALLTGLFVQ□A + YLLPTCIP	4200
ALLTGLFV□AD + YLLPTCIP	3800
ALLTGLF□AQD + YLLPTCIP	100
ALLTGL□AVQD + YLLPTCIP	30

FIGURE 2

The Peptide Activates Transcription When Fused to the PHO4 DNA Binding Domain

Phosphatase Activity (units)

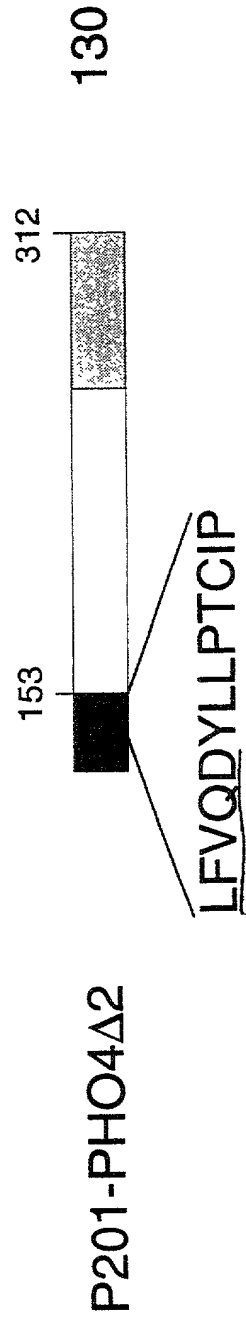
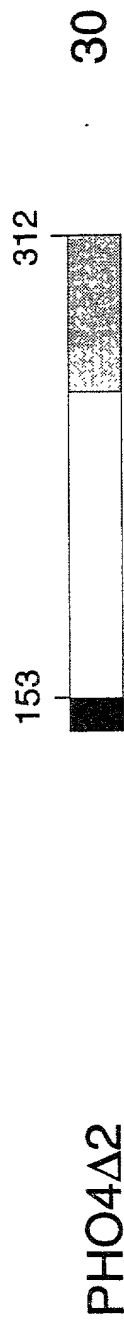
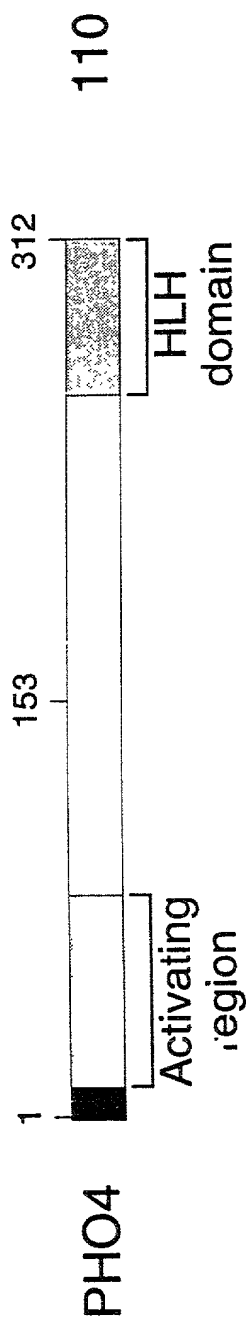


Figure 3

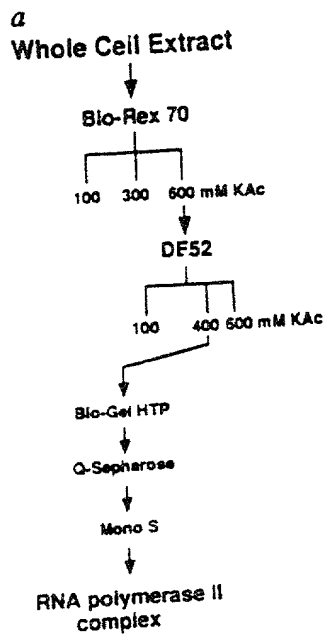
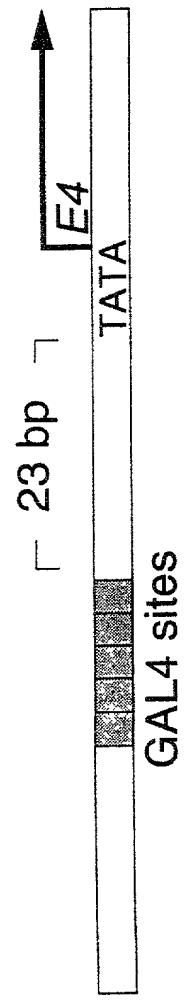
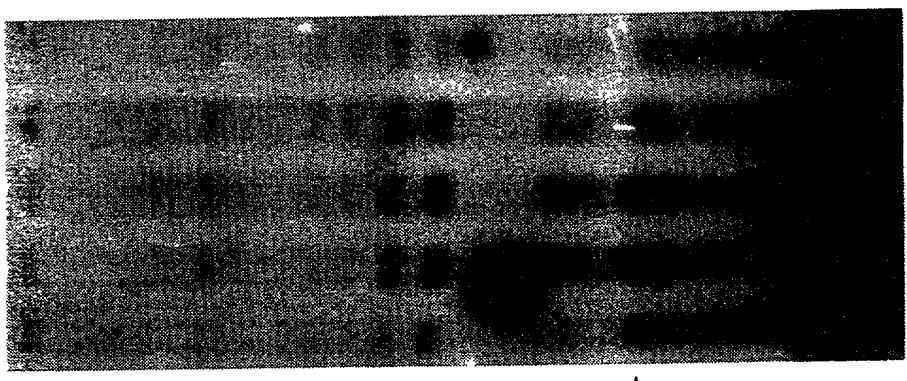


Figure 4

The Peptide Activates Transcription *In Vitro*



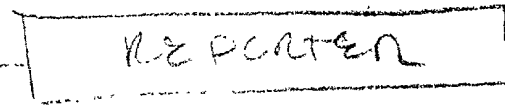
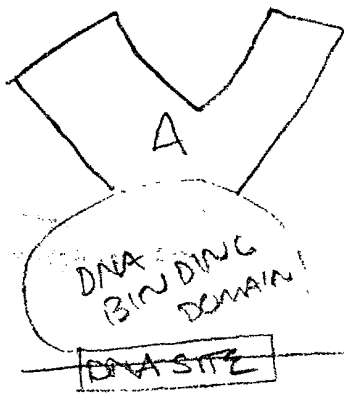
LS201p (ng): 0 1 5 30 100



E4 ext.
product

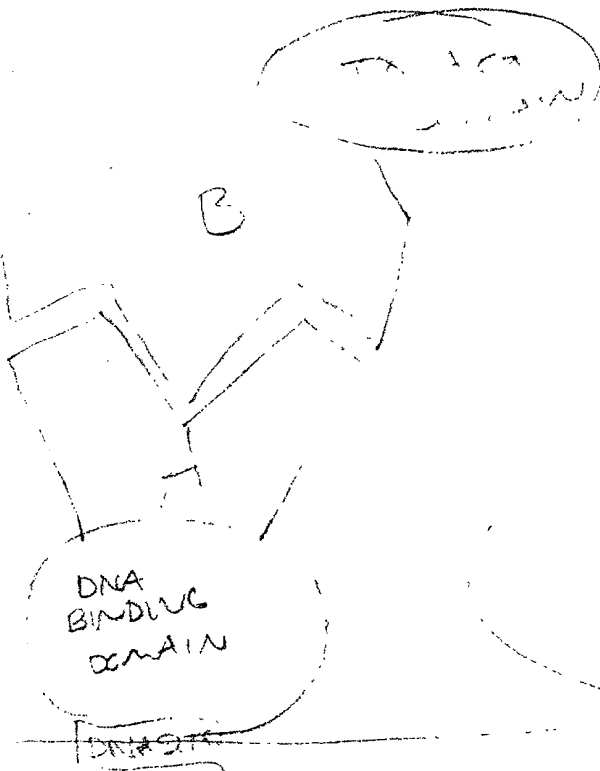
REC'D MAY 19 1964

35



OFF

FIGURE 7



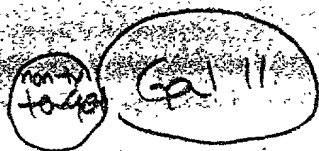
REPORTER

ON

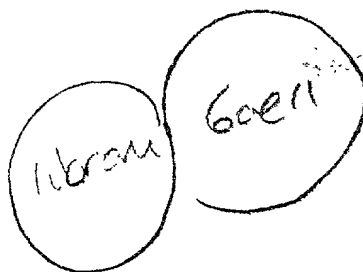
FIGURE 7

DI-HYBRID SCREENS EMPLOYING Gal II

ZA



REPORTER



ZB



REPORTER

FIGURE 8

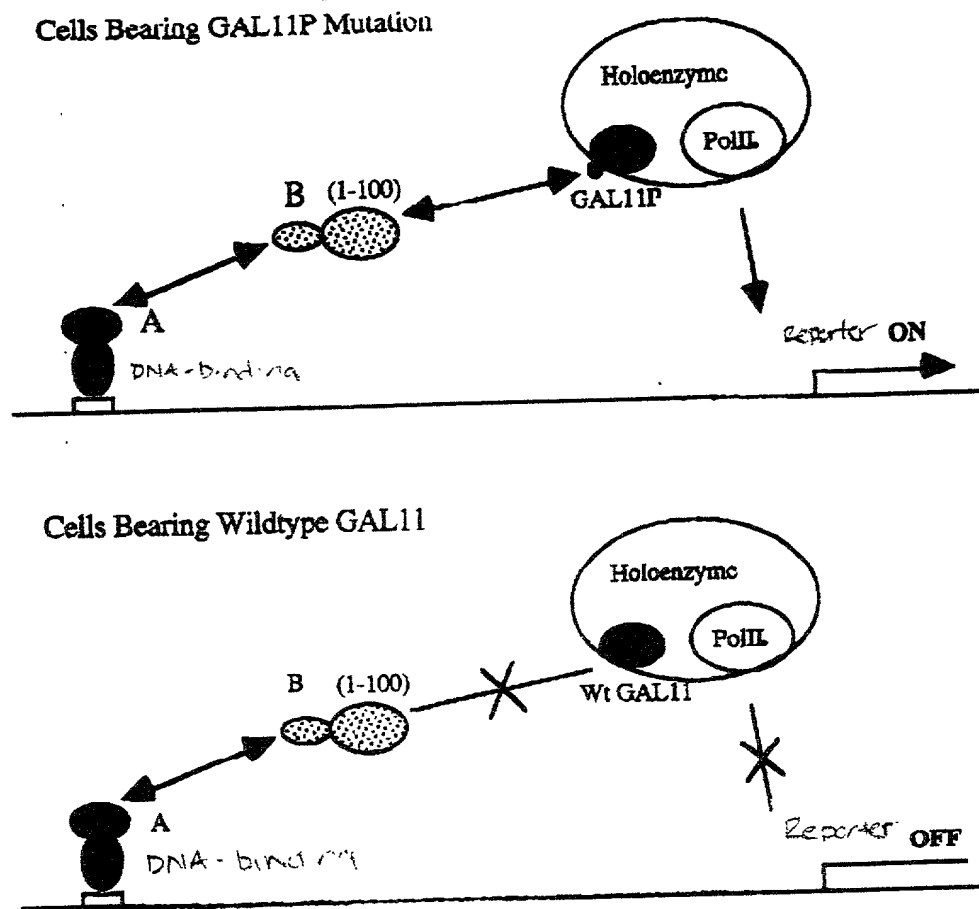


FIGURE 9